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ORIGINAL

RECEIVED

June 4, 2003

JUN - 4 2003

Ms. Marlene H. Dortch Secretary Federal Communications Commission 445 12th Street, SW Washington, DC 20554 FEDERAL COMMUNICATIONS COMMISSION OFFICE OF THE SECRETARY

Re: Ex Parte Presentation in MB Docket No. 02-144 Comcast Cable Communications, Inc.

Dear Ms. Dortch:

On behalf of Comcast Cable Communications, Inc. ("Comcast"), submitted herewith pursuant to Section 1.1206(b) (2) of the Commission's rules are an original and one copy of this notice regarding a permitted *ex parte* presentation in the above-referenced proceeding. On June 3, 2003, James Coltharp, Ernie Pighini, Warren Fitting, and Peter Feinberg of Comcast met with William H. Johnson, Margorie Reed Greene, John Norton, Kathleen Costello, and Kenneth Lewis of the Media Bureau.

Comcast discussed with the staff several of the issues raised in its comments, including the current effective competition standard, rates in play, procedures governing rate appeals, and the regulation of the competitive marketplace for advanced customer premises equipment. Comcast indicated that it would provide additional information regarding several of these issues.

Attached is a copy of the materials which were provided as an example of recent market developments, including the current marketplace for advanced customer premises equipment. Please direct any questions regarding this notice to the undersigned.

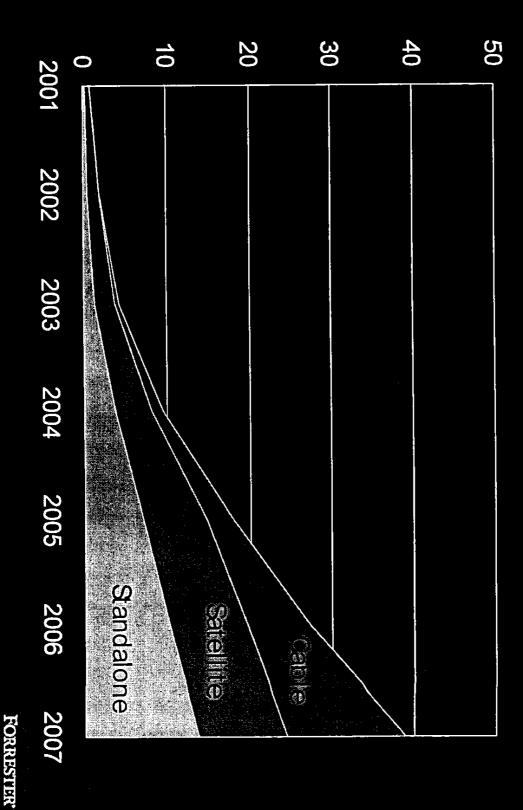
Respectfully submitted,

Steven J. Horvitz

No. of Copies rand OT 1 Ust 8 E C 9 E

## Cable drives long-term PVR growth

US households (millions)



@ 2003 Forister Kessend, Inc.

# million of 1.7 million PVR HHs are satellite

## 700K Echostar DishPVR

No monthly fee

Slow sales in Q4 due to reliability problems

Product is low-end

### 300K DIRECTV

250K TiVo, 50K Ultimate TV

\$199/\$4.95 per month, supply problems fixed

PVR subs churn at half the rate of other subs

Roxanne Austin: 1 million PVR subs by year-

end



## Cable, standalone PVRs expanding

### 600K standalone

TiVo dominates with 400K

ReplayTV now part of D&M (Denon & Marantz) DVD/PVR combos from Panasonic, RCA are disappointing

### 100K cable

S-A Explorer 8000 generates high satisfaction for Time-Warner, Cox

Motorola unit late, will include HD reception

### Digital Networks North America





company press support search

ReplayTV GoVldeo

Rio

Clearance

Registration



ReplayTV 5000 - Service Pricing Upda

### Important Message: Software Update

BUY NOW

FAQ

replayty

SERVICE ACTIVATION

FEATURES

TECHNICAL SPECS

MYREPLAYTY.COM

PRODUCT REVIEW

PHOTO SOFTWARE

MY ACCOUNT

USER GUIDE

ReplayTV 5040 – Factory Renewed with Lifetime S Activation. Up to 40 hours recording capacity \$329.99 (Note: \$50 rebate does not apply to this spec

SAVE \$50 on all new ReplayTV 5000 series for a limit

ReplayTV 5040 - Up to 40 hours recording capacity \$249.99 after rebates.

ReplayTV 5160 - Up to **160 hours** recording capacity **\$449.99** after rebate.

ReplayTV 5080 - Up to **80 hours** recording capacity **\$349.99** after rebate.

With ReplayTV, there's always something good on, a ever need to be bothered by commercial interruptions. Topping the charts of user-friendly features, Commer (R) lets you choose to skip commercial breaks all-tog you playback recorded shows. No fast forward, no rer interaction at all. Just a split-second "blip" and you're the action. Not bad for starters... and how about all th features for the connected home, like Internet Video ! Room-to-Room Video Streaming? It's all possible, an easier than you think. Take a look:



\*The ReplayTV 5320, software support for wireless USB (802.11 b) Network Devices and software support for video sharing and streaming between ReplayTV 5000 and ReplayTV 4000/4500 are estimated to be available Q1 2003.

- Tape-Free Recording Easy one-touch recording with conve channel guide, including a full 14 days of programming inforr
- Live TV Control Pause, rewind, instant replay, slo-mo or fra
- Commercial Advance® Choose to playback recorded show: commercials.
- Highest Recording Capacity From 40 to 320\* hours of recordepending on model.
- Progressive Scan Supports high quality picture playback or
- Advanced Capabilities Home networking for room-to-room v broadband Internet, wireless USB network connectivity\* and capabilities;





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### what is TiVo?

TiVo Digital Video Recorder (DVR)

- ▶ TiVo Series2 DVR
- DIRECTV and TiVo
- ▶ Compare TiVo DVRs

TiVo service

**Home Media Option** 

What do you need?

**Testimonials & reviews** 

Frequently Asked Questions (FAQs)

set up TiVo

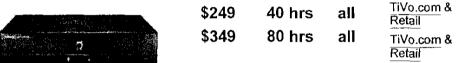
I have TiVo!

### Which DVR is right for you?

Compare TiVo DVR models

Recording Program Where to get Price Capacity\* Source it?

TiVo Series2 10VR



### Sony Digital Network Recorder

\$44	49 80 hi	s all Retail
------	----------	--------------

### DIRECTY DVR with 1770

New second generation model. Offers new additions like USB ports.



Hughes HDVR2 Digital Satellite Recorder

\$249 35 hrs



Retail



enter your email

about TiVo inc.



DIRECTV DVR with Tivo Popular first generation model.



\$199 35 hrs

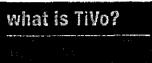


Retail

Sony SAT-T60

<sup>\*</sup> Actual recording capacity depends on signal quality and type of programming being recorded.





Find a store
Rebate information

set up TiVo
I have TiVo!
about TiVo Inc.



TiVo SERIES DVR starting at \$249

 Digitally record up to 40 or 80 hours of your favorite shows

 Works with antenna, cable, digital cable, satellite and combinations

Broadband-ready.
 Enabled for networked home entertainment

TiVo offers a choice in subscription plans: monthly \$12.95 or product lifetime \$299

Receive 11Vo News & Offers enter your email

Submit.

### Order a TiVo Series2 DVR

up to 80 FREE \$249 Buy It Now! hrs SHIPPING up to 80 FREE \$349 Buy It Now! SHIPPING hrs up to 40 FREE Buy It Nowl SHIPPING hrs

Certified Factory Renewed! Phone Orders Only. Offer good while supplies last. Order today!





TiVo service required and sold separately. Product Warranty (PDF). For Free Shipping: UPS Ground Shipping not available to Alaska or Hawaii. When ordering direct from TiVo please see our: Order FAQs | Terms & Conditions

Sony Digital Network Recorder

SONY

### Only **\$449**

- Digitally record up to 80 hours of your favorite shows
- Sony cosmetic and remote control design
- Works with antenna, cable, digital cable, satellite and combinations

DIRECTV DVR



### Starting at \$199

- Up to 35 hours digital-recording capacity
- Works with DIRECTV satellite programming
- Record two shows at the same time

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### Press Release

what is TiVo?

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about TiVe Inc.

The TIVo story

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### 4/8/2003

TiVo Home Media Option<sup>™</sup> Now Available, Delivering The Benefits of Networked Home Entertainment

Premium Feature Package Allows Series 2 Subscribers to Stream Digital Music, Photos, Schedule Recordings Via the Web

April 8, 2003 - SAN JOSE, CA – TiVo Inc. (NASDAQ: TIVO), the creator of television services for digital video recorders (DVR), today announced that Home Media Option<sup>TM</sup> is now available for purchase by TiVo Series2 subscribers. The premium feature package promises to transform TiVo from a digital video recording device to an entertainment center that allows entertainment lovers to effortlessly enjoy video, digital music and photos throughout the home.

"Home Media Option is a natural extension of the TiVo service, providing TiVo Series2 subscribers with an easy way to enjoy their digital media throughout the home without interfering with their ability to record and watch their favorite shows," said Brodie Keast, Senior Vice President and General Manager, TiVo Service. "Our approach recognizes that the PC or Mac may be the best place to store, organize, manage and protect your digital media, but the living room is the best place to enjoy it."

Home Media Option can be purchased for a one-time fee of \$99 by TiVo subscribers with Series2 DVRs. Activating the package on additional Series2 DVRs within the home will require a one-time fee of \$49 per unit. Home Media Option is a basic software download, sent by broadband or phone line to any TiVo Series2, and can be purchased online at www.tivo.com.

Once Home Media Option has been downloaded to the DVR and activated at the TiVo website, the DVR will be capable of linking over a network with either Apple or Windows PCs. Applications necessary for completing this network link to the Mac or PC can be downloaded from the TiVo website once a subscriber has completed the TiVo activation process.

### Home Media Option: Key Features

Home Media Option will fit into virtually any home network, making it easy to incorporate into new or existing, wired or wireless networks (802.11b). Key features include:

### Broadband Remote Scheduling

With a broadband-connected Series2 DVR and Home Media Option, subscribers are now able to remotely schedule same-day recordings of their favorite shows from wherever they have access to an Internet connection. TiVo subscribers can now schedule recordings from www.tivo.com and these changes will be relayed to their specified TiVo DVR in less than an hour. allowing for same day recordings.

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Enjoy the entertainment you want, anywhere in your home
 Home Media Option allows subscribers to stream digital music and
 photos from their computer to their Series2 DVR, without requiring
 users to give up or partition the recording space on their DVR. With the
 TiVo remote, subscribers can relax in the living room and view digital
 photos and listen to digital music that is stored on the Mac or PC. And
 with multi-room viewing, programs recorded on one Series2 DVR can
 be securely transferred to another in the same household.

### New Service Update for All TiVo Series2 Subscribers

As part of a regular service update, there are a few new features that have been added to the TiVo service that all Series2 subscribers will receive separate from Home Media Option. These include enhancements to the "Now Playing" list, giving consumers the ability to group shows together by title, and to sort them either alphabetically or chronologically. In addition, broadband connectivity will be enabled through existing USB ports on the back of the DVR, allowing Series2 subscribers to eliminate the need for a standard phone line in order for their DVR to connect to the TiVo service to receive regular service updates.

For more information, or to purchase Home Media Option, please visit www.tivo.com.

### **About TiVo**

Founded in 1997 with the mission to dramatically improve consumers' television viewing experiences, TiVo is the creator of television services for digital video recorders (DVR). TiVo's leadership has defined and inspired the entire category, earning the company patents for pioneering inventions associated with DVR software and hardware design. TiVo was the first to deliver on the promise of consumer choice and control over TV viewing, building a loyal and passionate subscriber base with over 97% of customers surveyed recommending TiVo to a friend. This enthusiasm has contributed to overwhelming growth over the past year, and the total subscriber base exceeds 624,000. TiVo is headquartered in San Jose, CA. Additional information can be found at www.tivo.com.

This release may contain forward-looking statements regarding TiVo's business, customers or other factors that may affect future earnings or financial results. Such statements involve risks and uncertainties, which could cause actual results to vary materially from those, expressed in or indicated by the forward-looking statements. Factors that may cause actual results to differ materially include delays in development, competitive service offerings and lack of market acceptance, as well as the "Factors That May Affect Future Operating Results" and other risks detailed in our Annual Report on Form 10-K for the period ended December 31, 2000, the Transition Report on Form 10-K for the period ended January 31, 2001, and the Quarterly Report on Form 10-Q for the period ended October 31, 2001, filed with the Securities and Exchange Commission. We caution you not to place undue reliance on forward-looking statements, which reflect an analysis only and speak only as of the date hereof.

TiVo is a registered trademark of TiVo Inc. in the United States and other jurisdictions, All other company or product names mentioned may be trademarks or registered trademarks of the respective companies with which they are associated.

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### Does it Work With Your System?



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### what is TiVo?

TiVo Digital Video Recorder (DVR)

TiVo service

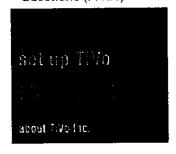
Home Media Option

What do you need?

- Does it work with your system?
- Why do you need a phone line?

Testimonials & reviews

Frequently Asked Questions (FAQs)



### Yes. TiVo works with virtually every TV set up!

TiVo DVRs work with nearly all television models and program sources. Which one is right for you?

### Program Source [

- Cable/Digital Cable
- DIRECTV
- Dish Network (Echostar) satellite
- Antenna, and even combinations!

### DVR

### Tivo Series2 DVR



### Sony Digital Network Recorder



### DIRECTV Receiver with fiva







TiVo also supports many video output standards, including:

- S-Video
- RF (Coax) connections
- Composité (including connections to your VCR, making video transfer easy!)

Not compatible with TiVo

- Big Dish (C-Band) Satellite Systems
- Non-U.S. programming sources (Except the U.K. Please visit http://uk.tivo.com)
- HDTV

For more questions about TiVo compatibility, please visit our FAQs page.

### Digital Networks North America



MY ACCOUNT



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company press support

ReplayTV

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Home: ReplayTV - Products - ReplayTV 5040 (Factory Renewed) with Lifetime Service Activation replayty

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**View Cart** 

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FAQ

Registration

ReplayTV 5040 (Factory Renewed) with Lifetime Service Activation

PACKAGE PRICE - For a limited time only! It does things your VCR never dreamed of.

- Automatically record your favorite shows, par replay live TV
- Commercial Advance® Choose to playback without commercials
- 40 Hours Record up to 40 hours of TV withc
- Lifetime Service Activation Included (\$250 va

SPECIAL OFFER! Lifetime Service Activation Included



Click to enlarge image

Orders will ship in two week window: May 30th - June 13th via UPS Ground Only! Rebates for this unit.

### LIMITED SUPPLY!!

RTV5040 + Lifetime Service Activation for One \*\$220 Less than a Brand New Unit. Get yours today before they are gone

\*New units with lifetime service are \$550

\$329.99

Quantity: 1

D ADD TO CART

### **Features**

- ▲ TOP
- Record Without Tape Easy one-touch recording with on-screen channel guide
- . Control Live TV Pause, rewind, replay, slo-mo and frame advance
- Commercial Advance® Choose to playback shows without commercials
- Broadband Ready Choose phone line or broadband to access the ReplayTV Service
- 40 Hours Record up to 40 hours of TV without videotape
- Features
- Technical Specs
- Product Reviews

System Requirements: ReplayTV 5000 requires a broadband Internet connection or an analog phone line. A home network is required

### Awards and Reviews

- CNET Editors' Choice at recognizes products of the highest qu and service to users. Products bearing Editors' Choice graphic have been rig tested and carefully evaluated by a p editors and writers.
- Soundvision Online Review Another nifty Model 5000 feature is Advance, which lets you skip comme similar breaks) automatically. Yes, it not perfectly." - Daniel Kumin, Sounc

### Recommended Accessories

Phonex Wireless Phone Jack for Rej

tor room-to-room video streaming. A PC connection to a home network is required to store and view digital photos with ReplayTV.

Commercial Advance® may not skip all commercials all the time. All rights reserved.

### Included Accessories

▲ TQP

- One ReplayTV RTV5040 Digital Video Recorder
- Remote control
- Coaxial cable
- A/V cable
- IR blaster cable
- 9 to 15-pin adapter
- RJH to 9-pin adapter
- Phone Cable
- Getting Started Guide

### Warranty

TOP

90 Day Limited Warranty

### What are renewed products?

Renewed ReplayTV products are top quality products that perform like new and are available at discounts. Renewed products are typically customer returns that have been completely restored to their original performance, then fully tested and inspected by ReplayTV-trained technicians. Others may be excess inventory items or products that have small scrapes, scratches or other cosmetic imperfections. When needed, damaged parts have been replaced to ensure the product meets factory requirements. Renewed products may contain remanufactured parts.

### Why buy renewed products?

Renewed ReplayTV products are a great way to get high-quality, reliable ReplayTV products at affordable prices. All ReplayTV renewed products are backed by a ReplayTV limited factory warranty. See the warranty description for full details.

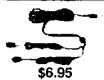


Heplay I V Approx Turn any electrica phone jack with PI Wireless Phone Ja ReplayTV.

\$69.95

▶A0D TO CART

### Infrared (IR) Blaster Cable



Replacement Infra blaster cable for yo Works with all Rep models.

► ADD TO CART

### ReplayTV Replacement Remote 5xxx

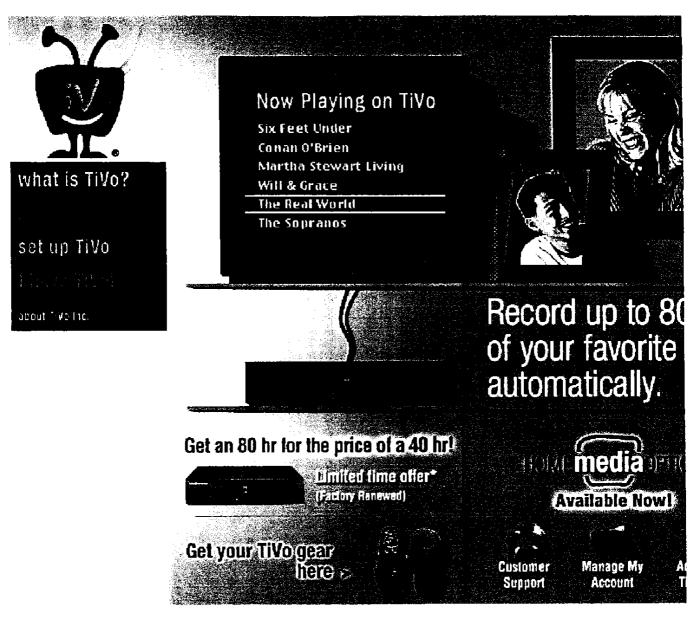


Need a new remot remote works with ReplayTVs.

►ADD TO CART

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RECEIVERS :: DishPVR 501/508



### Overview

- Product Image
- Features
- Specifications
- Download Product Brochure (Product fact sheet PDF)





### **Receiver Overview**

DishPVR 501s and 508s are DISH Network's single-tuner, integrated personal video recorder receivers. DishPVR 501s and 508s use advanced digital television recording and playback tec viewers choose how they will watch television, whether it is skipping through commercials on programs, rewinding sports to make your own instant replays, or pausing live TV in case the Featuring 40 or 80 GB hard-drives, DishPVRs can record hours of your favorite programming sports to news and even pay-per-view movies, for you to enjoy at any time, when it is conve

When you sign up for Digital Home Plan , you can upgrade your primary receiver to a DishPV \$50 (total activation of \$99.99). Offer valid at time of initial set-up.

Already a customer? Click here for information on a special offer for customers active price 2002.

For more details call 1-800-333-DISH (3474)



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RECEIVERS :: DishPVR 721



- Product Image
- Features
- Specifications
- Download Product Brochure (Product fact sheet PDF)





### Receiver Overview

The DishPVR 721 is two-tuner, integrated personal video recorder (PVR) satellite receiver that the standard digital recording features and playback functions. DishPVR 721 features a 120 C can record up to 90 hours of your favorite programming. And the DishPVR 721 also comes statuners, allowing you to record two television programs at the same time, watch a recorded p viewing live TV, or view Picture-in-Picture programming on any TV with no special hook-up re-

MSRP How to Order

\$599.99 full system Learn about our FREE DISH and FREE-For-All offers. Visit one of our \$549.99 stand-alone

For information about Linux source software for GPL compliance, Click Here.

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### DishPVR 508 CONTIN

### FRONT PANEL FEATURES

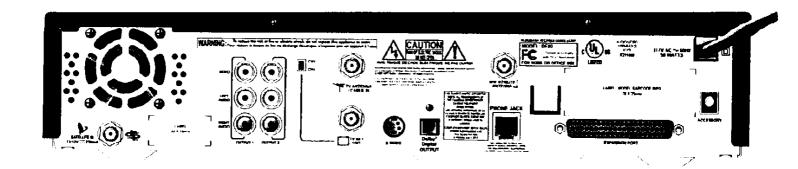
- "Info" button gives you instant access to program information.
- "Menu" displays the Main Menu to allow access to the Program Guide, Search, Themes, favorites, Timers, System Setup and other functions.
- "Sys Info" displays receiver information including: receiver and smart card numbers, software version and remote address.
- Mode Light: The green "Power" LED light indicates receiver is on: the red "Recording" LED light indicates digital recording has been initiated.
- · Smart Card receptacle and door
- IR sensor/IR blast emitter

### **REAR PANEL FEATURES**

- · Satellite Antenna Input
- TV Antenna/Cable Input
- RF Modulated Output: Outputs satellite source on channel 3 or 4, or passes through a connected antenna/cable feed to the television
- · 2 sets RCA-Type Audio/Video Outputs
- 1 S Video Output
- Optical Digital Output for Dolby Digital and PCM Digital Audio
- Phone Jack
- · Expansion Port
- · UHF Remote Antenna Input
- · Accessory Jack
- · 2-Prong Power Cord

### **SPECIFICATIONS**

- Size: 3"[h] x 15"[w] x 11.5"[d]
- · Weight: 8.3 lbs
- · Color: Black
- DishPVR 508 Receiver Part Number: 111159
- DishPVR 508-22D system (includes dish antenna/DishPro LNBF) Part Number: 111154



### guys The Audio Video Experts

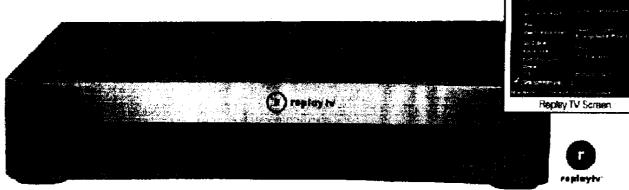


good gu

Just tell ReplayTV what TV programs you want to watch, and it'll automatically find and reuard them for you! You can record up to 160 hours (depends on model), from sports to sittoms and more: you get to watch whatever you want, whenever you want! Plus, you can pause, reward and storms live IV without missing a single second!

Replay I via uses 10,0% digital hard drive technology to record your fewerite shows. Forget about stacks of rapes, confusing timers or complicated progravoring—RoolityTV does it all were the south of a buttant.

Replay  $P_{\ell}$  is the only digital video recorder that lets you watch TV without commercials Writing playing back your recorded shows, you have two options choose to play back the strow as it was broadcast, or play it back without commencials.



http://www.comperemedia.com/sinatra/compere/sinatramain/search\_menu/lastresul.../fitscree 5/30/2003

### ReplayTV lets you:

- Record TV without videotape or timers
- Pause, rewind & slo-mo live TV

### and ONLY ReplayTV lets you:

- · Watch TV without commericals!
- Enjoy digitally recorded TV with Dolby Digital audio & Progressive Scan video płayback
- . Saslly program recordings through the internet!



Also avallable: ATV5080 80-hour ReplayTv\*: RTV5160 160-hour ReplayTV\*



good guys

### Visit Good Guys & experience ReplayTV tod

Wed 12/18 - Mon 12/23 9am-11pm • Christmas Eve 8am-6pm • Closed Christma

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### GET THE NEW DIRECTY RECEIVER WITH TIVO

And get more value out of your DIRECTV' programming. TWo is the digital way to automatically find and report exactly what you want from all your DIRECTY's channels.

Fall I be once amile anterestically recurds. awary opisode of your favorite shows. New you can watch them whenever you're ready.

Tivo finda the picomme, you was, pased on your favorite actors, directors, teams, and hebbies ... and digitally records them for you, ulp to 05 hours? of (2.8) City's programming...all without adectable.

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With Tivo, if the phone rings erias, or you liss want to ge you'll never have to miss a action. Yes can passed two reaume watching whenover

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